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(54) Title: SUPPORTED OLEFIN POLYMERIZATION CATALYST

(57) Abstract: Supported catalyst systems are provided comprising (a) a transition metal compound, (b) a non aluminosilicate activator comprising, and (c) a support material comprising an inorganic metal oxide, inorganic metal halide or polymeric material or mixtures thereof characterised in that the support material has been pretreated with an SO<sub>4</sub> containing compound. The preferred transition metal compounds are metallocenes and the SO<sub>4</sub> containing compound is typically sulphuric acid. The supported catalyst systems show improved activity and also may reduce fouling in gas phase fluidised bed processes.



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